

## Recovery Plan Action Status

**Plan Name:** Large-flowered Fiddleneck (*Amsinckia grandiflora*) Recovery Plan

**Plan Status:** Final

**Plan Date:** 29-Sep-97

**Lead Agency:** USFWS

**Lead Office:** Sacramento Fish And Wildlife Office

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414-6600 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Large-flowered fiddleneck ( <i>Amsinckia grandiflora</i> )	1	11	Select source plants	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Research: Genetics	Internal Field Assistance, Internal Technical Assistance	
Large-flowered fiddleneck ( <i>Amsinckia grandiflora</i> )	1	12	Collect seeds and store them at established seed bank facility	Partially Complete	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Reintroduction	Contract, Internal Field Assistance, Internal Technical Assistance	Collections at UC Berkeley Botanical Garden. Date is for phase 2 of Section 6 proposal for seed collection of many species that was funded in FY 2007.. Additional seed collection for Carnegie Canyon site will be collected in Spring 2012.
Large-flowered fiddleneck ( <i>Amsinckia grandiflora</i> )	1	21	Identify potential habitat	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Research: Habitat Requirements	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck ( <i>Amsinckia grandiflora</i> )	1	22	Search potential habitat	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Research: Habitat Status	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck ( <i>Amsinckia grandiflora</i> )	1	31	Develop an agreement with DOE to formalize protection	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Acquisition, Management	Internal Administrative, Internal Technical Assistance	

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Large-flowered fiddleneck (Amsinckia grandiflora)	1	32	Determine ownership of potential management areas	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Management	Internal Technical Assistance	Although originally done per the recovery plan, probably the task needs to be redone due to changes in ownership of potential management areas
Large-flowered fiddleneck (Amsinckia grandiflora)	1	33	Ascertain willingness of landowners to participate	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Management: Other	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck (Amsinckia grandiflora)	1	41	Select 6 management areas	Partially Complete	FY 2008		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Other	Internal Field Assistance	DOE (LLNL) formalized protection of the 160 acres which is one of the management units per the 5-year review
Large-flowered fiddleneck (Amsinckia grandiflora)	1	42	Determine size and delineate boundaries of the management areas	Obsolete			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Other	Internal Field Assistance	
Large-flowered fiddleneck (Amsinckia grandiflora)	1	431	Evaluate and implement land protection	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Acquisition: Easement, Acquisition: Fee Title	Contract, Internal Field Assistance, Internal Technical Assistance	Does not include cost of acquisition
Large-flowered fiddleneck (Amsinckia grandiflora)	1	432	Control invasive vegetation	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Predator and Competitor Control	Contract, Internal Field Assistance, Internal Technical Assistance, Volunteer	Invasive vegetation is being controlled on LLNL but not in other locations. Done at introduced site but not at native site
Large-flowered fiddleneck (Amsinckia grandiflora)	1	433	Control herbivory, as necessary	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Reintroduction	Contract, Internal Field Assistance, Internal Technical Assistance, Volunteer	

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Large-flowered fiddleneck (Amsinckia grandiflora)	1	44	Supplement existing populations	Partially Complete	FY 1995 - FY 1999		California Department of Fish and Game, U.S. Department of Energy	Work type not yet selected	Contract, Internal Field Assistance, Volunteer	
Large-flowered fiddleneck (Amsinckia grandiflora)	1	451	Continue demographic monitoring	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Research: Population Surveys	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck (Amsinckia grandiflora)	1	452	Develop monitoring plans	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Management: Planning	Internal Field Assistance, Internal Technical Assistance	Monitoring is occurring at LLNL although specific monitoring plan not done, monitoring reports are written
Large-flowered fiddleneck (Amsinckia grandiflora)	1	453	Implement monitoring plans	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Other	Contract, Internal Field Assistance, Internal Technical Assistance	for site 300 current. Cost TBD in subsequent years
Large-flowered fiddleneck (Amsinckia grandiflora)	1	51	Develop habitat restoration techniques	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Research: Management Techniques, Research: Other Information	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance	Monitoring if occurring on DOE land, but "monitoring plan" hasn't been developed. Monitoring not occurring on other properties.
Large-flowered fiddleneck (Amsinckia grandiflora)	1	52	Determine biotic requirements	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Research: Habitat Requirements	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance	
Large-flowered fiddleneck (Amsinckia grandiflora)	1	53	Determine abiotic requirements	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Research: Habitat Requirements	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance	

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Large-flowered fiddleneck (Amsinckia grandiflora)	1	61	Develop management plan for each management area	Obsolete			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management: Planning	Contract, Internal Technical Assistance	
Large-flowered fiddleneck (Amsinckia grandiflora)	1	62	Implement management plan for each management area	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Management	Contract, Internal Field Assistance, Volunteer	Cost TBD in subsequent years
Large-flowered fiddleneck (Amsinckia grandiflora)	2	71	Develop agreements with reintro, site owners	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game, U.S. Department of Energy	Acquisition: Management Agreement	Labor type not yet selected	
Large-flowered fiddleneck (Amsinckia grandiflora)	2	72	Conduct reintroduction and implement management plans	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Management: Reintroduction	Contract, Internal Technical Assistance	Reintroduction and demographic monitoring have occurred.
Large-flowered fiddleneck (Amsinckia grandiflora)	3	81	Identify limiting genetic factors	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Research: Genetics	Contract, Graduate Student, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck (Amsinckia grandiflora)	3	82	Develop predictive computer model	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Research: Other Information	Contract, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck (Amsinckia grandiflora)	3	83	Conduct long-term population viability analysis	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Research: Other Information	Contract, Internal Technical Assistance, Species Expert	
Large-flowered fiddleneck (Amsinckia grandiflora)	3	84	Establish acceptable delisting criteria	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Other: Regulations	Internal Administrative, Internal Technical Assistance	

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Large-flowered fiddleneck (Amsinckia grandiflora)	1	9	Coordinate recovery implementation	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, California Department of Fish and Game	Other	Contract, Internal Technical Assistance	Species stakeholders meeting regarding future actions to take was conducted in Fall 2010 by Holly Forbes (UC Berkeley Botanic garden).as part of a contract from the Sacramento Fish and Wildlife Office.